	A	В	С	D	Е	F	G
1		003	T/	ABLE 1 - 12	2/23/11	v v	No.
2			FIELD AND				
3			DIMOCK RESID				a
4	1		DIMOCK, SUSQUE	HANNA C	DUNTY, P	ENNSYLVA	NIA
5	Parameter/Method	Matrix	Field Samples	Bkgd		QC	Sample Sum
6					Dup	Trip <sup>1</sup> Blanks	Rinsate <sup>112</sup> Blanks
7	87Sr/86Sr analysis	drinking water	60	0	6	0	0
	Alkalinity (SM 2320B) (Total Hardness, HCO3, CO3) (2320B, 2340B)	drinking water	60	0	6	0	0
	Alcohols: Ethanol, methanol, 1-propanol, 1- butanol, 2-butanol (8015D)	drinking water	60	0	6	0	0
	Anions, Chloride, Bromide, Fluoride, Nitrate/Nitrite as N, Orthophosphorus as P, Sulfate as SO4 (300.0)	drinking water	60	0	6	0	0
11	Bacteria (total coliform, HPC)	drinking water	60	0	6	0	0
12	C14 isotope (biogenic vs. thermo) (isotech)	drinking water	60	0	6	0	0
13	d <sup>13</sup> C and d <sup>2</sup> H of methane (isotech)	drinking water	60	0	6	0	0
14	d <sup>13</sup> C of inorganic carbon (isotech)	drinking water	60	0	6	0	0
15	Dissolved Gases, Methane, Ethane, & Ethene (RSK-175)	drinking water	60	0	6	0	0
16	Ethylene Glycol (8015M)	drinking water	60	0	6	0	0
17	Gamma Spec (K-40, Ra-226, Ra-228, Th-232, Th- 234, U-234, U-235, U-238) (901.1)	drinking water	60	0	6	0	0
18	Glycols incl. 2-Butoxyethanol (8316)	drinking water	60	0	6	0	0
	Gross Alpha/Beta (900.0)	drinking water	60	0	6	0	0
	Metals: Al, Ca, Cr, Cu, Fe, Mg, Mn, Ni, Na, As, Se Zn, Ti, Sr, Ba, Sn, Sb, Be, Cd, Co, Tl, U, V,K, Hg (200.8/245.1)	drinking water	60	0	6	0	0
	Metals: Al, Ca, Cr, Cu, Fe, Mg, Mn, Ni, Na, As, Se Zn, Ti, Sr, Ba, Sn, Sb, Be, Cd, Co, Tl, U, V,K, Hg (200.8/245.1)	Filtered drinking water	60	0	6	0	0

	Α	В	С	D	Е	F	G
	Methylene Blue Active Substances (MBAS) (SM 5540C)	drinking water	60	0	6	0	0
	Nitrate/Nitrite (353.2)	drinking water	60	0	6	0	0
24	Oil & Grease (HEM) (1664A)	drinking water	60	0	6	0	0
25	рН (9040С)	drinking water	60	0	6	0	0
26	Phosphorus, Total (365.1)	drinking water	60	0	6	0	0
27	Ra-226 (903.1)	drinking water	60	0	6	0	0
28	Ra-228 (904.0)	drinking water	60	0	6	0	0
	Semi-Volatiles (TCL plus TICs) (CLP Trace plus TICS) (OLC03.2)	drinking water	60	0	6	0	0
30	Solids, Total Dissolved (TDS) (2540C)	drinking water	60	0	6	0	0
31	Solids, Total Suspended (TSS) (2540D)	drinking water	60	0	6	0	0
32	Stable isotopes of water (O,H) (isotech)	drinking water	60	0	6	0	0
33	Turbidity, Nephelometric (180.1)	drinking water	60	0	6	0	0
	Volatiles Incl. Acrylonitrile (TCL plus TICs) (CLP Trace - 0.5 ug/L QL) (OLC03.2)	drinking water	60	0	6	1 per cooler	0
35	Notes:						
36	1. This QA sample will be an aqueous matrix.						
37	sampling equipment is used.						
$\overline{}$	3. Estimate based on 5 sampling days						
39	Key:						
40	Bkgd = Background	QA/QC = Qu	ality assurance/quality o	control			
41	MS/MSD = Matrix Spike/Matrix Spike Duplicate	te Sr = Strontium					
42	CRQL = Contract-Required Quantitation limit.						
43	Dup = Duplicate						
44							
45							

	Н	I	J	К	L	М	N
1	10000	5	224	0000		75 (554)	0.89
2							
3							
4							
5	mary		Total Field and QA/QC Analyses (not including MS/MSD) <sup>3</sup>				
6	Field¹ Blanks	MS/MSD					
7	5	0	7	1			
8	5	0	7	1			
9	5	3	7	1			
10	5	0	7	1			
11	5	0	7	1			
12	5	0	7	1			
13	5	0	7	1			
14	5	0	7	1			
15	5	0	7	1			
16	5	0	7	1			
17	5	0	7	1			
18	5	0	71				
19	5	0	71				
20	5	6	7	1			
21	5	6	7	1			

	Н	I	J	K	L	М	N
22	5	0	71				
	5	0	71				
23	5	U	,	1			
	5	0	7	1			
24	3		,				
	5	0	7	1			
25							
	5	0	7	1			
26							
	5	0	7	1			
27							
28	5	0	7	1			
28							
29	5	3	7	1			
23							
30	5	0	7	1			
31	5	0	7	1			
	_		71				
32	5	0	/	1			
	5	0	7	1			
33	3	U U		_			
	5	3	71 + Trip	Blanks for			
34	3	3	Coo	lers			
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41 42							
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	А	В	С	D	E	F	G	Н		
1			<u> </u>		TABLE 2 - :			<b>-</b>		
3						QUIREMENT GROUNDW		RY		
4						COUNTY, PI		NIA		
5	المناسية المناسية									
6	Analytical p	parameter and Method	IVIa	trix	Sample Pr	eservation	Holali	ng Time		
7	879	Sr/86Sr Analysis	drinkin	g water	HNO <sub>3</sub> , pH	≤ 2, Ice 4°C	6 m	onths		
8		ethanol, 1-propanol, 1-butanol, 2- utanol (8015D)	drinkin	g water	lce,	6°C	7 (	days		
9	Alkalin	iity (2320B, 2340B)	drinkin	g water	lce,	6°C	14	days		
10		nide, Fluoride, Nitrate/Nitrate as N, s as P, Sulfate as SO4 (300.0)	drinkin	g water	lce.	6°C	28	days		
				8						
11	Bacteria	(total coliform, HPC)	drinkin	g water	12 20	8% Na2S2O3	6 hours			
	Bacteria (total coliform, HPC)			drinking water		if residual CI- present)		ours		
12	C14 isotope (bio	drinking water		Ice, 4°C		6 months				
					Ice, 4°C, biocide pill in					
13	d13C and d2	2H of methane (Isotech)	drinking water		sample container		6 months			
14	d13C of inorganic carbon (Isotech)		drinking water		Ice, 4°C		6 months			
15	Dissolved Gases, Metl	hane, Ethane, & Ethene (RSK-175)	drinkin	g water	pH<2 with HCl and cool with ice, 4°C		7 days			
16	Ethyle	ne Glycol (8015M)	drinkin	g water	lce,	4°C	7 (	days		
17		a-226, Ra-228, Th-232, Th-234, U- , U-238) (901.1)	drinkin	g water		NO3 and cool ce, 4°C	6 m	onths		
18	Glycols incl.	2-Butoxyethanol (8316)	drinkin	g water	lce,	6°C	7 (	days		
19	Gross /	Alpha/Beta (900.0)	drinkin	g water	1.00	NO3 and cool ce, 4°C	6 m	onths		
20		, Fe, Mg, Mn, Ni, Na, As, Se, Zn, Ti, I, Co, Tl, U, V, K, Hg (200.8/245.1)			CONTRACTOR OF THE PARTY OF THE	6 m	onths			
21	Methylene Blue Activ	ve Substances (MBAS) (SM 5540C)				48	nours			
22	Nitrate/Ni	trite (Total N) ((353.2)	pH<2, H2SO4, and co drinking water with ice, 4°C			drinking wa			7 (	days
23	Oil & Gr	ease (HEM) (1664A)	drinkin	g water	558	D4, and cool ce, 4°C	28	days		
24		pH (9040C)	drinkin	g water	lce,	6°C	As soon a	as possible		

Α	В	С	D	Е	F	G	Н	
Phosphorus, Total (365.1)		drinkin	drinking water		lce, 6°C		28 days	
Ra	a-226 (903.1)	drinkin	g water	The state of the s	TELEVISION THE ENGINEER CONTROL	6 mc	onths	
Ra	a-228 (904.0)	drinkin	g water	*6		6 mc	onths	
Semi-Volatiles	(TCL plus TICs) (OLC03.2)	drinkin	g water	Ice, 6°C		7 d	ays	
Solids, Total Di	issolved (TDS) (SM 2540C)	drinkin	g water	lce,	6°C	7 d	ays	
Solids, Total Suspended (TSS) (SM 2540D)		drinkin	g water	lce,	6°C	7 days		
Stable isotopes of water (O,H) (Isotech)		drinking water		lce, 4°C		6 months		
Turbidity. Nephelometric (180.1)		drinkin	drinking water Ice, 4°C		4°C	48 hours		
		drinking water		2 drops of 1:1 HCl, pH<2, Ice, 6°C		7 days		
lote: Analyses wil	l be combined into sample k	ottles as ap	plicable/a	ppropriate	based on d	eterminatio	on by lab(s)	
(EY:								
Celsius		milliliter						
		= Sodium						
CLP = Contract Lab								
DE ENGLISH MOST AND CONTRACTOR OF STREET								
		15,100.71						
53 5.60(485.5)								
*		100						
		microgra						
	Semi-Volatiles Solids, Total Di Solids, Total Su Stable isotope Turbidity, I Volatiles (TCL plus (OLC03.: Iote: Analyses will EY: Elsius 14 = Carbon 14	Ra-226 (903.1)  Ra-228 (904.0)  Semi-Volatiles (TCL plus TICs) (OLC03.2)  Solids, Total Dissolved (TDS) (SM 2540C)  Solids, Total Suspended (TSS) (SM 2540D)  Stable isotopes of water (O,H) (Isotech)  Turbidity, Nephelometric (180.1)  Volatiles (TCL plus TICs) (CLP Trace - 0.5 ug/L QL) (OLC03.2) incl. Acrylonitrile  Iote: Analyses will be combined into sample to the sample to th	Ra-226 (903.1) drinking  Ra-228 (904.0) drinking  Semi-Volatiles (TCL plus TICs) (OLC03.2) drinking  Solids, Total Dissolved (TDS) (SM 2540C) drinking  Solids, Total Suspended (TSS) (SM 2540D) drinking  Stable isotopes of water (O,H) (Isotech) drinking  Turbidity, Nephelometric (180.1) drinking  Volatiles (TCL plus TICs) (CLP Trace - 0.5 ug/L QL) (OLC03.2) incl. Acrylonitrile drinking  Idote: Analyses will be combined into sample bottles as agree;  Telsius milliliter  14 = Carbon 14 = Sodium  14 = Carbon 14 = Sodium  14 = Carbon 14 = Sodium  15 = Contract Lab potential  16 = Celta of QL = Sr = Celta of Celta	Ra-226 (903.1) drinking water  Ra-228 (904.0) drinking water  Semi-Volatiles (TCL plus TICs) (OLC03.2) drinking water  Solids, Total Dissolved (TDS) (SM 2540C) drinking water  Solids, Total Suspended (TSS) (SM 2540D) drinking water  Stable isotopes of water (O,H) (Isotech) drinking water  Turbidity, Nephelometric (180.1) drinking water  Volatiles (TCL plus TICs) (CLP Trace - 0.5 ug/L QL) (OLC03.2) incl. Acrylonitrile drinking water  Iote: Analyses will be combined into sample bottles as applicable/a  EY:  elsius milliliter 14 = Carbon 14 = Sodium 1P = Contract Lab potential 13C = delta of 13C = delt	Ra-226 (903.1)  Ra-228 (904.0)  Ra-28 (14 H)  Ra-228 (14 H)  Ra-28 (14 H)	Ra-226 (903.1)  Ra-226 (903.1)  Ra-228 (904.0)  Ra-228 (904.0)	Ra-226 (903.1)  Ra-226 (903.1)  Ra-228 (904.0)  Ra-228 (904.0)	

	l J	К	L	М
1				
2				
3 4				
5		Procurement	Number	
6	Sample Cont	Procurement Source or Lab		
7	one 1-L pol	y/TBD	Tier 4	1
	Three 40-ml glass vials (Fill t	o capacity with no head		
8	space	)	Ft. Meade	3
9	One 500-m	Ft. Meade	1	
10	One 500-m	I HDPE	Ft. Meade	1
11	125 ml Pre-sterilize	d polyproylene	Tier 4	1
12	one 1-L pol	y/TBD	Tier 4	1
13	one 1-L pol	y/TBD	Tier 4	1
14	one 1-L pol	y/TBD	Tier 4	1
15	One 40-ml g	lass vial	Tier 4	1
16	Three 40-ml glass vials (Fill t space	100	Tier 4	3
17	One 1-Liter	· HDPE	Tier 4	1
18	Three 40-ml glass vials (Fill t space	121 2	Ft. Meade	3
19	One 1-Liter	· HDPE	Tier 4	1
20	One 1-Liter	HDPE	Ft. Meade	1
21	One 500-m	I HDPE	Tier 4	1
22	Two 1-Liter amber glass jar	s with teflon-lined lids	Ft. Meade	2
23	One 1-Liter amber glass jar	s with teflon-lined lids	Tier 4	1
24	One 250-m	I HDPE	Ft. Meade	1

	1	J	K	L	М
25		One 400-m	I HDPE	Ft. Meade	1
26		One 1-Liter	Tier 4	1	
27		One 1-Liter	HDPE	Tier 4	1
28	Two 1-Lite	er amber glass jar	s with teflon-lined lids	Ft. Meade	2
29		One 500-m	HDPE	Ft. Meade	1
30		One 500-m	Ft. Meade	1	
31	one 1-L poly/TBD			Tier 4	1
32		One 250-m	I HDPE	Tier 4	1
33	Six 40-ml glas	ss vials w/Teflon	lined cap (no head space)	Ft. Meade	6
34	•				40
35					
36					
37					
38					
39					
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41					
42					
43					